

Fig. 1A

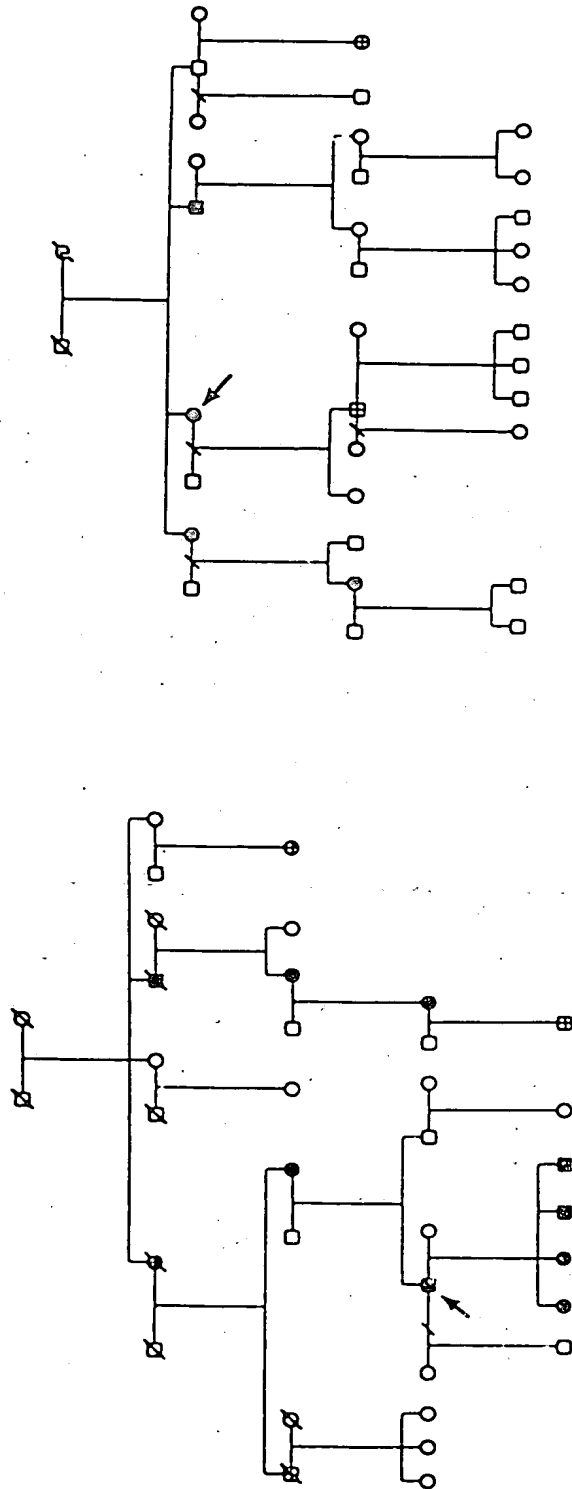


Fig. 1B

Fig. 1C

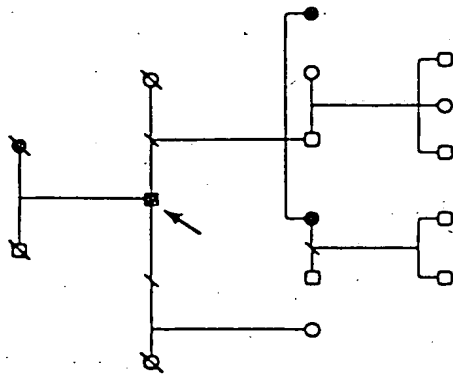


Fig. 1E

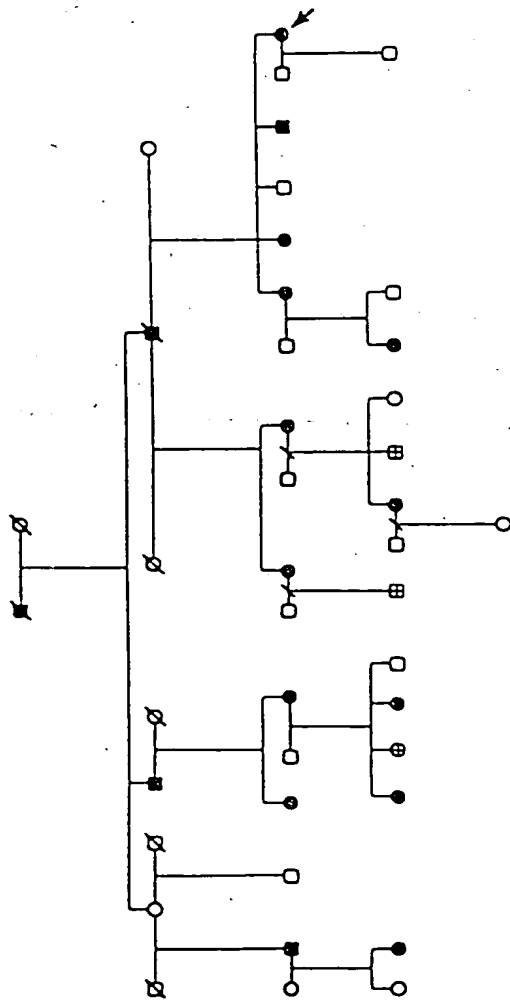


Fig. 1D

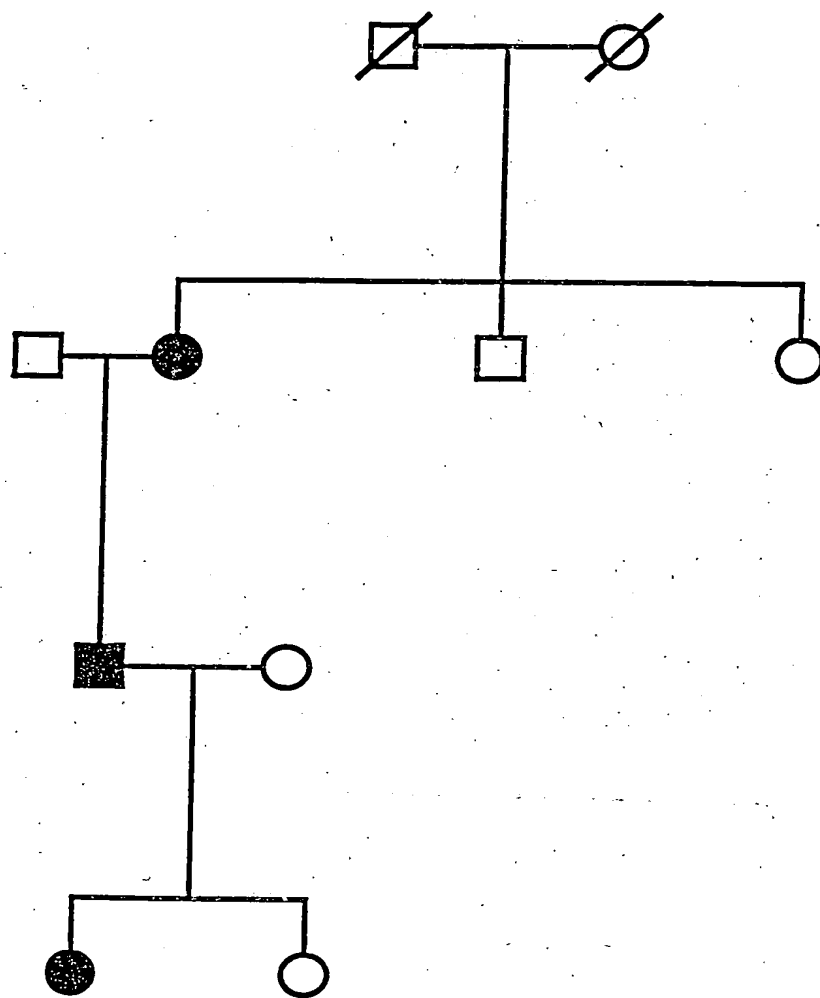


Fig. 1F

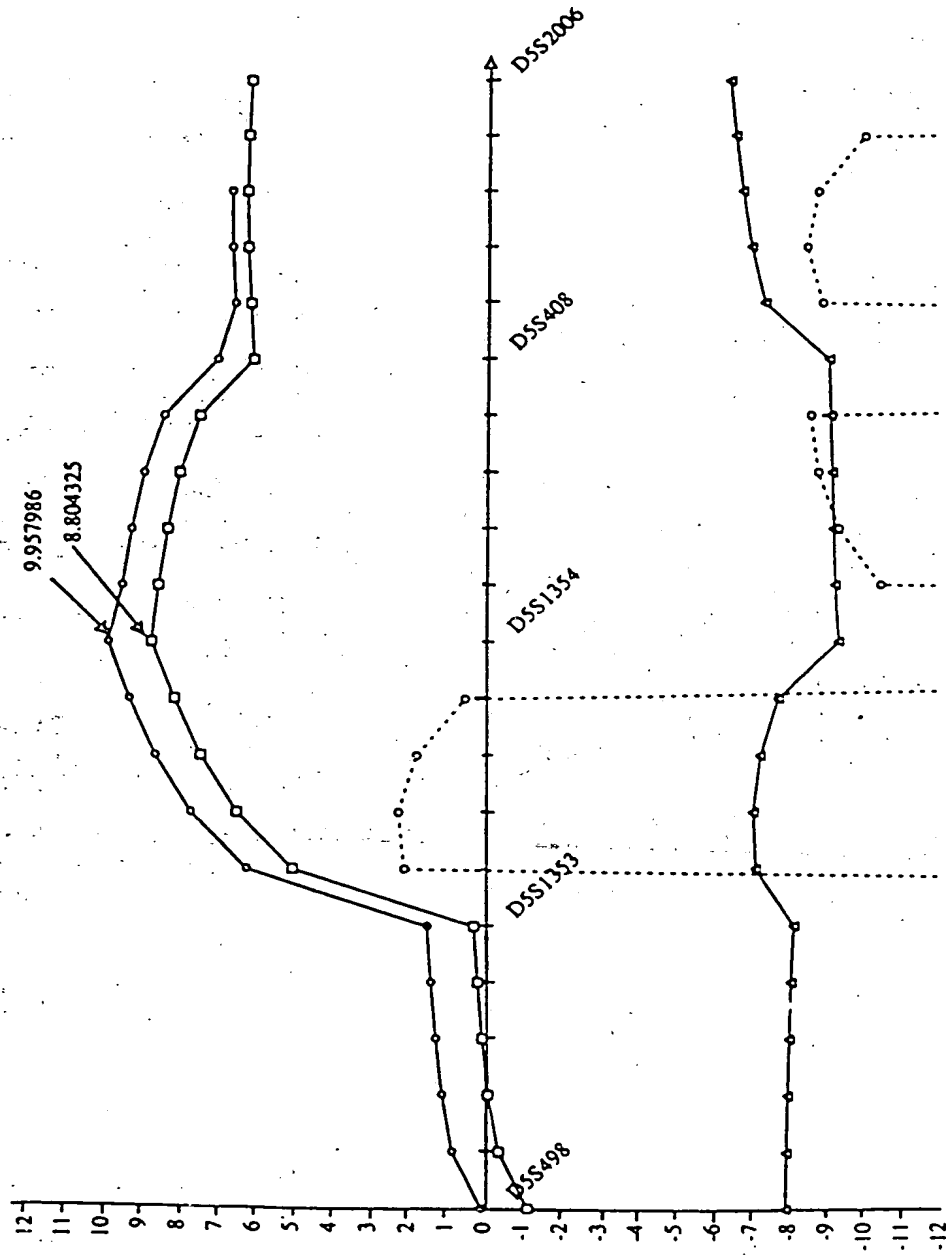


Fig. 2

FIG. 3A

[illegible]

H 701 VAGAHAPSIVWYKDERLLEEKSGVDLADSNQKLSIQRVREEDAGRYLCSV 750
 ||||| : ||||| : |||||
 M 701 VAGAHVPSIVWYKDERLLEKESGIDLADSNQRLSIQRVREEDAGRYLCSV 750
 ||||| : ||||| : |||||
 H 751 CNAKGCVNSSASVAVEGSEDKGSMEIVILVGTGVIAVFFWVLLLLLIFCNM 800
 ||||| : ||||| : |||||
 M 751 CNAKGCVNSSASVAVEGSEDKGSMEIVILIGTGVIAVFFWVLLLLLIFCNM 800
 ||||| : ||||| : |||||
 H 801 RRPAAHADIKTGYLSIIMDPGEVPLEEQCEYLSYDASQWEFFPRERLHLGRV 850
 : ||||| : ||||| : |||||
 M 801 KRPAHADIKTGYLSIIMDPGEVPLEEQCEYLSYDASQWEFFPRERLHLGRV 850
 : ||||| : ||||| : |||||
 H 851 LYGAFGKVVVEASAFGIHKGSSCDTVAVKMLKEGATASEHRLMSELKIL 900
 ||: ||||| : ||||| : |||||
 M 851 LGHGAFGKVVVEASAFGINKGSSCDTVAVKMLKEGATASEHRLMSELKIL 900
 G857R
 H 901 IHIGNHLNVVNLLGACTKPQGPLMVIVEFCKYGNLSNFLRAKRDAFSPCA 950
 ||||| : ||||| : |||||
 M 901 IHIGNHLNVVNLLGACTKPNGPLMVIVEFCKYGNLSNFLRVKRDFTFNPYA 950
 ||||| : ||||| : |||||
 H 951 EKSPEQRGRFRAMVELARLDRRRPGSSDRVLFARFSKTEGGARRASPDQE 1000
 ||||| : ||||| : |||||
 M 951 EKSPEQRRRFRAMVEGAKADRRRPGSSDRALFTRFLMGKSARRAPLVQE 1000
 ||||| : ||||| : |||||
 H 1001 AEDLWLSPLTMEDLVCYSFQVARGMEFLASRKCIHRDLAARNILLSESDV 1050
 ||||| : ||||| : |||||
 M 1001 AEDLWLSPLTMEDLVCYSFQVARGMEFLASRKCIHRDLAARNILLSESDI 1050
 R1041P D1049N
 L1044P
 H 1051 VKICDFGLARDIYKDPDYVRKGSARLPLKWMAPESIFDKVYTTQSDVWSF 1100
 ||||| : ||||| : |||||
 M 1051 VKICDFGLARDIYKDPDYVRKGSARLPLKWMAPESIFDKVYTTQSDVWSF 1100
 I1053N (Chy mouse mutation)
 H 1101 GVLLWEIFSLGASPYPGVQINEEFCQRLRDGTRMRAPELATPAIRRIMLN 1150
 ||||| : ||||| : |||||
 M 1101 GVLLWEIFSLGASPYPGVQINEEFCQRLKDGTRMRAPELATPAIRHIMQS 1150
 P1114L
 H 1151 CWSGDPKARPAFSELVEILGDLLQGRGLQEEEEVCMAPRSSQSSEEGSFS 1200
 ||||| : ||||| : |||||
 M 1151 CWSGDPKARPAFSDLVEILGDLLQGGWQEEEEERMAHSSQSSEEDGFM 1200
 ||||| : ||||| : |||||
 H 1201 QVSTMALHIAQADAEDSPPSLQRHSLAARYYNWVSFPGCLARGAETRGS 1250
 ||||| : ||||| : |||||
 M 1201 QASTTALHITEADADDSPPSMHCHSLAARYYNCVSFPGRLARGTKTPGSS 1250
 ||||| : ||||| : |||||
 H 1251 RMKTFEFPMPTPTYKGSVDNQTDSGMVLASEEFEQIESRHRQESGF 1297
 ||||| : ||||| : |||||
 M 1251 RMKTFEELPMTPTYKASMDNQTDSGMVLASEEFEELESRHRPEGSF 1297
 ||||| : ||||| : |||||

FIG. 3B